National Weather Service
Storm Data and Unusual Weather Phenomena

July 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm

TEXAS, West

Dawson County

6 W Lamesa | **07** | **0430CST 0530CST** | | | **0** | **0** | | | **Flash Flood**

Slow-moving, merging thunderstorm cells dumped 2+ inches over a large portion of western Dawson County. Brief flooding of U.S. Highway 180 occurred west of Lamesa.

Andrews County

Andrews | **08** | **1815CST 1930CST** | | | **0** | **0** | | | **Flash Flood**

Thunderstorms developed over the city of Andrews and moved very little for over two hours. Three inch rain totals were common across the city. City personnel blocked off some flooded streets in town. After the rains stopped the waters receded very quickly.

The air mass for this day was not one that necessarily suggested flash flooding with surface temperatures in the mid to upper 90s and dew points in the lower 50s, but light and variable winds in the mid levels moved the storms very little.

Ector County

7 W Odessa | **09** | **1835CST 1848CST** | | | **0** | **0** | | | **Hail(0.75)**

Winkler County

Wink | **09** | **1937CST 2100CST** | | | **0** | **0** | | | **Flash Flood**

Ector County

Odessa | **09** | **1943CST 2115CST** | | | **0** | **0** | | | **Flash Flood**

Slowly moving and training thunderstorms dropped hail and caused flooding in and near Odessa and in Wink.

Midland County

Midland Arpt | **09** | **2035CST** | | | **0** | **0** | **7K** | | **Thunderstorm Wind**

A collapsing thunderstorm near Midland International Airport knocked a large metal storage building located about 1 mile east of the airport off its foundation and peeled back part of the roof. At the airport a 12x3 foot picture window was broken by the wind or debris in the wind. The ASOS at the airport (located between the two damage sites, recorded a 45 knot peak gust.

It was thought that the wind was certainly greater than 45 knots where the building was damaged, but the wind speed at the window was more difficult to assess. The window was in an area amongst buildings that could have made a local channel for the wind or the window could have been structurally weak. The window was the northern-most in a series of eight vertical windows that face east.

Ector County

3 N Odessa | **10** | **2120CST 2215CST** | | | **0** | **0** | | | **Flash Flood**

Heavy rains from slow-moving thunderstorms caused brief flooding in parts of Odessa.

Jeff Davis County

5 W Ft Davis | **14** | **1257CST** | | | **0** | **0** | | | **Hail(0.75)**

A multicell storm over the Davis Mountains dropped dime size hail on a ranch. Dew points near 60 degrees supplied above average low-level moisture for the area to intensify the storms

Presidio County

Presidio | **23** | **1540CST** | | | **0** | **0** | **10K** | | **Thunderstorm Wind**

A thunderstorm with only light to moderate rain had damaging downbursting winds that blew over two carport tops and a utility pole.

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TEXAS, West

Brewster County

Alpine **28** **1330CST** **0** **0** **10K** **Flash Flood**
1500CST

Training cells in the Alpine area caused heavy rains and flooding in the city. About 3.5 inches of rain fell over the western half of the city. A van stalled in an underpass and eventually was almost submerged with the roof extending only 18" above the water. Two other vehicles were stranded in water as well.

Reeves County

2 SW Pecos **28** **1610CST** **0** **0** **70K** **Thunderstorm Wind**

A thunderstorm cluster moving over the city of Pecos had a cell that produced a wet macroburst causing widespread minor wind damage. Damaged were an airport hangar, 8 utility poles and 2 transformers, an animal shelter, fences, and roofs of a few businesses.

Ector County

7 ENE Penwell **28** **1820CST** **0** **0** **60K** **Thunderstorm Wind (57)**

A pulse microburst destroyed 5 trailer homes in a rural development in southwestern Ector County. Three other units received major damage. Most of the trailers were not tied down. Winds in the local area was blowing from SE to NW; the same direction as the storm movement. Since there was minimal damage to some more-substantial structures in the area, wind speeds were only estimated at 60-70 mph. In areas farther east it became evident that there was a downburst pattern, as winds were from the south or southwest.

Presidio County

Redford **28** **1925CST** **0** **0** **Thunderstorm Wind (52)**

Microburst winds measured by an anemometer.

Downbursting potential was high with inverted-V soundings at 00z that evening, but storms were rather limited over the area. Most storms were of a pulse variety with a very short cell life